

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

1. (Currently Amended) A method of routing a call calls having different call types in a 3GPP/3GPP2 wireless communications network made to a called party single point of contact ~~Subscriber Universal Destination Identifier (SUDI)~~ comprising:
receiving a Subscriber Universal Destination Identifier (SUDI) call request at an Internet Protocol Multimedia Subsystem (IMS) Call Session Control Function (CSCF) network entity executing call setup and call session control from a calling party multimedia enable mobile phone via a radio area network, the SUDI call request including a session identifier and a SUDI defining a single point of contact for calls having different call types made to a called party and a media descriptor defining the type of media to be transferred by the call and an indicator of the originating host;
determining a the call type from the call control protocol and media descriptor;
selecting a call-type-specific destination identifier for the call from a plurality of called party destination identifiers based on the call type;
executing call setup for the call; and
routing the call to the called party using the selected call-type-specific destination identifier.
2. (Canceled)

3. (Canceled)
4. (Original) The method defined in claim 1 wherein the SUDI is a Uniform Resource Identifier (URI).
5. (Original) The method defined in claim 1 wherein the SUDI is a Uniform Resource Locator (URL).
6. (Original) The method defined in claim 1 wherein the SUDI is a Uniform Resource Name (URN).
7. (Original) The method defined in claim 1 wherein the SUDI is a telephone number.
8. (Currently Amended) A system for routing ~~a call~~ calls having different call types in a 3GPP/3GPP2 wireless communications network made to a called party single point of contact ~~Subscriber Universal Destination Identifier (SUDI)~~ comprising:
an Internet Protocol Multimedia Subsystem (IMS) Call Session Control Function (CSCF) network entity receiving Subscriber Universal Destination Identifier (SUDI) call requests from a calling party multimedia enable mobile phone via a radio area network, each SUDI call request corresponding to a different call made to a called party single point of contact, at least some of the SUDI call requests including a session identifier and a SUDI defining a single point of contact for calls having different call types made to a called party and a media descriptor defining the type of media to be transferred by the

call and an indicator of the originating host, the CSCF network entity executing call setup and call session control for each call and determining a call type for each call from the corresponding SUDI call request including:

determining if a protocol for the SUDI call request can support multiple call types, wherein if the SUDI call request protocol cannot support multiple call types then determining the call type from the SUDI call request protocol, and wherein if the SUDI call request protocol can support multiple call types then determining the call type from the media descriptor in the SUDI call request;

means for determining the call type; a call type for each call; and

means for selecting a call-type-specific destination identifier for each the call from a plurality of called party destination identifiers based on the call type, wherein the CSCF network entity routes the calls to the called party using the selected call-type-specific destination identifiers;- and

means for routing the call to the called party using the selected call-type-specific destination identifier.

9. (Canceled)

10. (Canceled)

11. (Currently Amended) The system defined in claim 8 wherein at least some of the SUDIs are Uniform Resource Identifiers and at least one of the SUDIs is a

telephone number the SUDI is a ~~Uniform Resource Identifier (URI)~~.

12. (Currently Amended) The system defined in claim 8 wherein a the SUDI is a Uniform Resource Locator (URL).

13. (Currently Amended) The system defined in claim 8 wherein a the SUDI is a Uniform Resource Name (URN).

14. (Currently Amended) The system defined in claim 8 wherein a the SUDI is a telephone number.

15. (Canceled)

16. (New) The method defined in claim 1 further comprising:
the CSCF network entity sending a Location_Info_Request to an IMS Home Subscriber Server (HSS) maintaining subscriber user profiles and containing call-type-specific destination identifiers associated with the called party, the Location_Info_Request including the call type, the originating host and the SUDI; and
the CSCF network entity receiving a Location_Info_Answer from the HSS including the call-type-specific destination identifier for the call.

17. (New) The method defined in claim 16 further comprising:
the called party providing a plurality of different call-type-specific destination

identifiers for a plurality of different call types corresponding to the single point of contact for the called party for storage at the HSS.

18. (New) The method defined in claim 16 wherein the HSS contains Home Location Register (HLR) functionality and user location information for user registration and locating.

19. (New) The method defined in claim 1 wherein the SUDI call request is a SIP INVITE message.

20. (New) The method defined in claim 19 further comprising:
the determining includes determining the call type to be a SIP audio call; and
the selecting includes selecting a telephone number as the call-type-specific destination identifier.

21. (New) The method defined in claim 20 wherein the determining includes determining the call type to be a SIP audio G711 call .

22. (New) A method of routing calls having different call types in a 3GPP/3GPP2 wireless communications network made to a called party single point of contact comprising:

receiving Subscriber Universal Destination Identifier (SUDI) call requests at an Internet Protocol Multimedia Subsystem (IMS) Call Session Control Function (CSCF)

network entity executing call setups and call sessions control from a calling party multimedia enable mobile phone via a radio area network, each SUDI call request corresponding to a different call made to a called party single point of contact, at least some of the SUDI call requests including a session identifier and a SUDI defining a single point of contact for calls having different call types made to a called party and a media descriptor defining the type of media to be transferred by the call and an indicator of the originating host;

determining a call type for each call from the corresponding SUDI call request including:

determining if a protocol for the SUDI call request can support multiple call types, wherein if the SUDI call request protocol cannot support multiple call types then determining the call type from the SUDI call request protocol, and wherein if the SUDI call request protocol can support multiple call types then determining the call type from the media descriptor in the SUDI call request;

selecting a call-type-specific destination identifier for each call from a plurality of called party destination identifiers based on the call type;

executing call setup for each call; and

routing each call to the called party using the selected call-type-specific destination identifier.

23. (New) The method defined in claim 22 wherein at least some of the SUDIs are Uniform Resource Identifiers and at least one of the SUDIs is a telephone

number.

24. (New) The method defined in claim 22 further comprising:
the CSCF network entity sending a Location_Info_Request to an IMS Home
Subscriber Server (HSS) maintaining subscriber user profiles and containing call-type-
specific destination identifiers associated with the called party, the
Location_Info_Request including the call type, the originating host and the SUDI; and
the CSCF network entity receiving a Location_Info_Answer from the HSS
including the call-type-specific destination identifier for the call.

25. (New) The method defined in claim 22 further comprising:
the called party providing a plurality of different call-type-specific destination
identifiers for a plurality of different call types corresponding to the single point of
contact for the called party for storage at the HSS.

26. (New) The method defined in claim 22 wherein the HSS contains
Home Location Register (HLR) functionality and user location information for user
registration and locating.

27. (New) The method defined in claim 22 wherein a SUDI call request
is a SIP INVITE message.

28. (New) The method defined in claim 27 further comprising:

the determining includes determining the call type for the SIP INVITE call request to be a SIP audio call; and

the selecting includes selecting a telephone number as the call-type-specific destination identifier.

29. (New) The method defined in claim 28 wherein the determining includes determining the call type for the SIP INVITE call request to be a SIP audio G711 call.